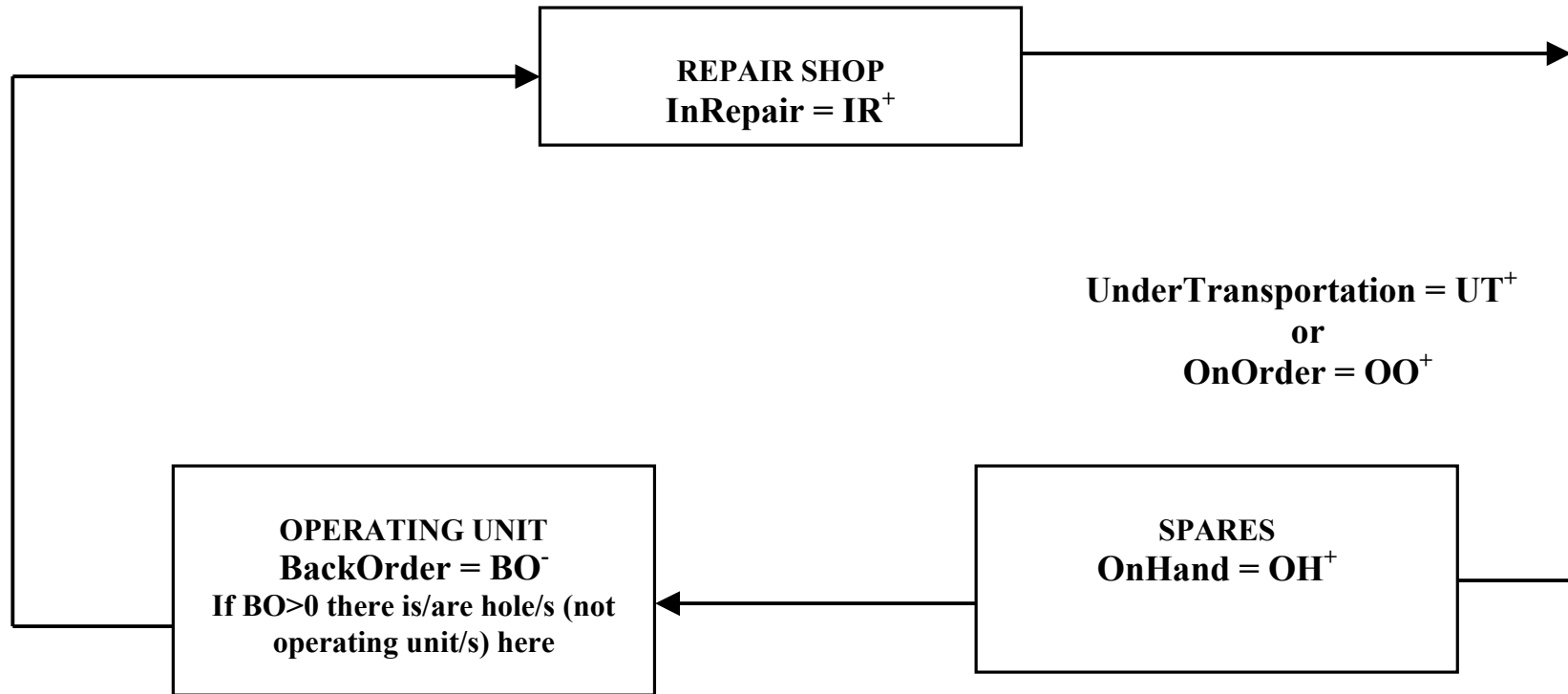




Stock Balance Equation

$$\text{Stock} = S = OH(t) + IR(t) + UT(t) - BO(t)$$

$t \geq 0$ then $BO(t) = 0$ and $OH(t) \geq 0$ or $OH(t) = 0$ and $BO(t) \geq 0$

$IR + UT = PL = \text{PipeLine}$

$$S = OH(t) + PL(t) - BO(t)$$